PERIMENT STATION.

Bulletin No. 59, May 5, 1881,

FERTILIZER ANALYSES.

POTASH SALTS.

571 German potash salts. Imported by Rafferty & Williams, New York, sold by F. Ellsworth, Hartford. 595 Muriate of Potash, import-

ed and sold by Manes F. &

		- I	
D. G Co., 1	Hart fo	rd.	
	571		595
Potash,	27 23		51 21
Equiv. sulphate po	23 20		
Equiv. muriate p			81 11
Selling price, & Cost 100 lbs potasi	32 per 200 h.\$8 00	lbs.	\$42 ton. \$4 10

good deal of sulphate of magnesia and common salt and may, now and then, have a fertilizing value beyond supplying potash. This grade of potash salts wholesales now at \$7.25

CONNECTICUT AGRICULTURAL EX- | 579 is evidently cotton seed ground with the almost worthless hulls. Decorticated cotton seed meal contains nearly twice as much nitrogen, etc., and is worth about twice as much.

SUPERPHOSPHATES.

557 "Bone Phosphate," made and sent to Station by David Dickinson, Middle Haddam. 577 The same. Sent by H. L.

Stewart, Middle Haddam. 558 "Ammoniated Bone Phosphate," made and sent to Station by David Dickinson,

576 The same. Sent by H. L. Stewart, Middle Haddam.

Middle Haddam.

581 "Phosphate," made and sent to Station by Geo. H. Harris & Son, Eagleville.

The "potash salts" contain a 578 "English Phosphate," imported by H. J. Baker & Bro., New York, and sold by Wilson & Burr, Middletown, Ct. Sent to Station by J. M. Hubbard, Middletown.

BONE.

582 Bone, No.	1.
---------------	----

583 Bone, No. 2.

Manufactured and sent by G. H. Harris & Son, Eagleville, Ct. 584 Strictly Pure Ground Bone. made by G. B. Forrester, 188 Pearl St., New York, sold by S. B. Wakeman, Saugatuck.

585 Peter Cooper's Pure Bone. sold by Simon Banks, Southport, Ct.

The last two samples were taken and sent to Station by G. P. Jennings, Greens Farms, Ct.

MECHANICAL ANALYSIS.

			J-2	0.0	04	999
Fine,	smaller	1-50 in	~ 2	3	16	51
Fine medium,	6 4	1-25 in	2	8	14	15
Medium,	66	1-12 in	8	17	.6	13
Coarse-medium,	66	1-6 in.	34	27	34	15
Coarse,	larger	16 in	54	45	0	6
			100	100	100	100 ~

CHEMICAL ANALYSIS AND VALU-ATION.

	582	583	584	585
Nitrogen, Phesphoric scid Cost in market, ton	4 05 21 88 428 00	3 66 17 74 424 68	4 18 21 80 #3 + 04 4	9 92
Door in market, win	00.00	D 00	401117	00.40

stimated value, 28 33 28 00 34 50 36 *—In Southport on trial, \$33 in New York.

Sample 583 was rather moist (12 per cent. water) which reduces its value somewhat.

585 has had a good share of the gelatine extracted, hence is poorer in nitrogen and richer in phosphoric acid than raw bone.

COTTON AND CASTOR SEED.

579 Cotton Seed Meal, made by B. G. Stanton, New London, sold by Coles & Weeks, Middletown. Sampled and sent by J. M. Hubbard.

580 Castor Pomace. sold by Wilson & Burr. Middletown. Sampled by J. M. Hubbard.

ANALYSES.

	579	580
Nitrogen,	3 56	6 01
Phos. Acid,	1 70	1 70
Potash,	t 57	1 20
Selling price	.\$30 00	\$21 0
Selling price, Estimated value	.\$14 84	\$22 25

-	AN	NALYS	ES.		
	Chlorine. Estimated value per ton. \$50 71 Cost per ton \$40 00	Reverted " " 7 92 Insoluble " " 3 11 Potash 0 15	Nitrogen	557	
	\$46 61 \$40 00		8 38 4 57	577 -	
	\$44 92 \$40 00	9 90 2 18 0 52	3 54 3 90	558	
	\$40 00	9 66 2 54	8 24 1 68	576	
	\$39 91 \$36 00	2 72	2 93 4 88	581	
	\$:6 97 \$38 00	1 30 0 9 0	13 18	578	

SOAP BOILERS' REFUSE.

573 Scraps from rendering vat. 575 Liquid from rendering vat. 574 Lye from condenser.

The above sent to Station by A. A. Hills, Greenville.

ANALYSES.

	573	575	574
Nitrogen	.2 25	1 07	
Phos. acid	.0 51	0 22	
Potash			2 40
Estimated value pe	r		
ton		\$4 83	\$2 16

The ton of 575 and 574 equals about 230 gallons or 71-3 bbls. S. W. Johnson, Director.

The above Bulletin should have appeared last week but the manuscript was lost in the mail.